

**Complete if Known**

|                        |              |
|------------------------|--------------|
| Application Number     | 10/824,751   |
| Filing Date            | Apr 15, 2004 |
| First Named Inventor   | Dussud       |
| Group Art Unit         | 2185         |
| Examiner Name          | Arpan Savla  |
| Attorney Docket Number | MS1-1962US   |

*(use as many sheets as necessary)*

|       |   |    |   |
|-------|---|----|---|
| Sheet | 1 | of | 2 |
|-------|---|----|---|

[illegible][illegible]

*Raymond A. Smith*

4/19/06

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → +

+

|   |   |                          |              |
|---|---|--------------------------|--------------|
| Substitute for form 1449B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   | <b>Complete if Known</b> |              |
|   |   | Application Number       | 10/824,751   |
|   |   | Filing Date              | Apr 15, 2004 |
|   |   | First Named Inventor     | Dussud       |
|   |   | Group Art Unit           | 2185         |
|   |   | Examiner Name            | Arpan Sarda  |
|   |   | Attorney Docket Number   | MS1-1962US   |
| Sheet   | 2 | of                       | 2            |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| AS                              |                       | Kwon et al., "Java Garbage Collection for a Small Interactive System", Journal of Korean Information Science Society, Vol. 29, No. 11-12, pp. 957-965, December 2002.   |                |
|                                 |                       | Ossia, et al., "A Parallel, Incremental and Concurrent GC for Servers", ACM Sigplan Notices, Vol. 27, No. 5, pp. 129-140, May 2002.   |                |
|                                 |                       | Levanoni et al., "An On-the-Fly Reference Counting Garbage Collector for Java", ACM Sigplan Notices, Vol. 36, No. 11, pp. 367-380, November 2001.   |                |
|                                 |                       | Srisa-an, et al., "Object Resizing and Reclamation Through the Use of Hardware Bit-Maps", Microprocessors and Microsystems, Vol. 25, No. 9-10, pp. 459-467, January 2002.   |                |
|                                 |                       | Chang, et al., "DMMX: Dynamic Memory Management Extensions", Journal of Systems and Software, Vol. 63, No. 3, pp. 187-199, September 2002.  |                |
|                                 |                       | Wise, et al., "Research Demonstration of a Hardware Reference-Counting Heap", LISP and Symbolic Computation, Vol. 10, No. 2, pp. 159-181, July 1997.  |                |
| AS                              |                       | Yang et al., "Java Virtual Memory Timing Probes: A Study of Object Life Span and Garbage Collection", Conference Proceedings of the IEEE International Performance, Computing and Communications, pp. 73-80, April 2002.  |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+



PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0851-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

|                        |                       |
|------------------------|-----------------------|
| Application Number     | 10/824,751            |
| Filing Date            | 4/15/2004             |
| First Named Inventor   | Patrick H. Dussud     |
| Art Unit               | 2188 218              |
| Examiner Name          | MANO PADMANABHAN Arpa |
| Attorney Docket Number | MS1- 1962US           |

Sheet 1 of 5

### U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|-----------------------------|---|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                             |   |   |
| A.S.               |                       | US- 2003/0008715-A1                      | 01/09/2003                  | Huber et al.                                    |   |
|                    |                       | US- 4,296,476                            | 10/20/1981                  | Mayer et al.                                    |   |
|                    |                       | US- 4,432,067                            | 02/14/1984                  | Nielsen   |   |
|                    |                       | US- 4,905,280                            | 02/27/1990                  | Wiedmer   |   |
|                    |                       | US- 5,382,983                            | 01/17/1995                  | Kwoh et al.                                     |   |
|                    |                       | US- 5,459,487                            | 10/17/1995                  | Bouton  |   |
|                    |                       | US- 5,550,575                            | 08/27/1996                  | West et al.                                     |   |
|                    |                       | US- 5,551,701                            | 09/03/1996                  | Bouton et al.                                   |   |
|                    |                       | US- 5,558,339                            | 09/24/1996                  | Perlman   |   |
|                    |                       | US- 5,598,276                            | 01/28/1997                  | Cookson et al.                                  |   |
|                    |                       | US- 5,634,849                            | 06/03/1997                  | Abecassis                                       |   |
|                    |                       | US- 5,649,862                            | 07/22/1997                  | Sakaguchi et al.                                |   |
|                    |                       | US- 5,716,273                            | 02/10/1998                  | Yuen  |   |
|                    |                       | US- 5,752,883                            | 05/19/1998                  | Butcher et al.                                  |   |
|                    |                       | US- 5,791,992                            | 08/11/1998                  | Crump et al.                                    |   |
|                    |                       | US- 5,876,286                            | 03/02/1999                  | Lee   |   |
|                    |                       | US- 5,878,134                            | 03/02/1999                  | Handelman et al.                                |   |
|                    |                       | US- 5,896,125                            | 04/20/1999                  | Niedzwiecki                                     |   |
| A.S.               |                       | US- 5,917,256                            | 06/29/1999                  | Broadbent, II                                   |   |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T <sup>3</sup> |
|--------------------|-----------------------|---|-----------------------------|---|---|----------------|
|                    |                       | Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                             |   |   |                |
| A.S.               |                       | WO 00/40027 - A1  | 07/06/2000                  |   |   |                |
| A.S.               |                       | WO 01/05477 - A2  | 01/25/2001                  |   |   |                |
|                    |                       |   |                             |   |   |                |
|                    |                       |   |                             |   |   |                |
|                    |                       |   |                             |   |   |                |
|                    |                       |   |                             |   |   |                |
|                    |                       |   |                             |   |   |                |

Examiner Signature

*Arpa*

Date Considered

4/17/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

|       |   |    |   |
|-------|---|----|---|
| Sheet | 2 | of | 5 |
|-------|---|----|---|

|                        |                   |
|------------------------|-------------------|
| Application Number     | 10/824,751        |
| Filing Date            | 4/15/2004         |
| First Named Inventor   | Patrick H. Dussud |
| Art Unit               | 2188 2185         |
| Examiner Name          | MANO PADMANABHA   |
| Attorney Docket Number | MS1- 1962US       |

Argen Schuh

## U. S. PATENT DOCUMENTS

| U. S. PATENT DOCUMENTS |           |  |                                |  |   |
|------------------------|-----------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No.† | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |           | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| A.I.                   |           | US- 5,973,683                            | 10/26/1999                     | Cragun et al.                                      |   |
|                        |           | US- 5,978,920                            | 11/02/1999                     | Lee  |   |
|                        |           | US- 5,993,319                            | 11/30/1999                     | Aoyama   |   |
|                        |           | US- 6,001,015                            | 12/14/1999                     | Nishiumi et al.                                    |   |
|                        |           | US- 6,009,433                            | 12/28/1999                     | Kurano et al.                                      |   |
|                        |           | US- 6,025,869                            | 02/15/2000                     | Stas et al.  |   |
|                        |           | US- 6,049,810                            | 04/11/2000                     | Schwartz et al.                                    |   |
|                        |           | US- 6,065,020                            | 05/16/2000                     | Dussud   |   |
|                        |           | US- 6,115,079                            | 09/05/2000                     | McRae  |   |
|                        |           | US- 6,148,309                            | 11/14/2000                     | Azagury et al.                                     |   |
|                        |           | US- 6,148,310                            | 11/14/2000                     | Azagury et al.                                     |   |
|                        |           | US- 6,173,294-B1                         | 01/09/2001                     | Azagury et al.                                     |   |
|                        |           | US- 6,224,485-B1                         | 05/01/2001                     | Dickinson et al.                                   |   |
|                        |           | US- 6,226,653-B1                         | 05/01/2001                     | Alpern et al.                                      |   |
|                        |           | US- 6,230,320-B1                         | 05/08/2001                     | Gakumura   |   |
|                        |           | US- 6,280,327-B1                         | 08/28/2001                     | Leifer et al.                                      |   |
|                        |           | US- 6,280,329-B1                         | 08/28/2001                     | Kondo et al.                                       |   |
|                        |           | US- 6,298,441-B1                         | 10/02/2001                     | Handelman et al.                                   |   |
|                        | AS        |  | US- 6,299,535-B1               | 10/09/2001   | Tanaka  |

**FOREIGN PATENT DOCUMENTS**

[illegible]

**Examiner  
Signature**

Date  
Considered

4/19/06

Signature [Signature] 1/11/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes examined. <sup>3</sup> For USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

<sup>8</sup> The information is required to obtain or retain a benefit by the public which is to file (and by the

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.** *See also 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**Sheet 3 of 5

|                        |                   |
|------------------------|-------------------|
| Application Number     | 10/824,751        |
| Filing Date            | 4/15/2004         |
| First Named Inventor   | Patrick H. Dussud |
| Art Unit               | 2186-2185         |
| Examiner Name          | MANO PADMANABHAN  |
| Attorney Docket Number | MS1-1962US        |

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|---|--------------------------------|--|---|
| A.S.               |                       | US- 6,309,301-B1  | 10/30/2001                     | Sano   |   |
|                    |                       | US- 6,312,336-B1  | 11/06/2001                     | Handelman et al.                                   |   |
|                    |                       | US- 6,317,756-B1  | 11/13/2001                     | Kolodner et al.                                    |   |
|                    |                       | US- 6,320,320-B1  | 11/20/2001                     | Bailey, III et al.                                 |   |
|                    |                       | US- 6,396,531-B1  | 05/28/2002                     | Gerszberg et al.                                   |   |
|                    |                       | US- 6,464,585-B1  | 10/15/2002                     | Miyamoto et al.                                    |   |
|                    |                       | US- 6,468,160-B2  | 10/22/2002                     | Eliott   |   |
|                    |                       | US- 6,470,361-B1  | 10/22/2002                     | Alpern et al.                                      |   |
|                    |                       | US- 6,490,599-B2  | 12/03/2002                     | Kolodner et al.                                    |   |
|                    |                       | US- 6,502,111-B1  | 12/31/2002                     | Dussud   |   |
|                    |                       | US- 6,510,440-B1  | 01/21/2003                     | Alpern et al.                                      |   |
|                    |                       | US- 6,520,890-B2  | 02/18/2003                     | Hsu  |   |
|                    |                       | US- 6,535,269-B2  | 03/18/2003                     | Sherman et al.                                     |   |
| A.S.               |                       | US- 6,599,194-B1  | 07/29/2003                     | Smith et al.                                       |   |
|                    |                       | US-   |                                |  |   |
|                    |                       | US-   |                                |  |   |
|                    |                       | US-   |                                |  |   |
|                    |                       | US-   |                                |  |   |
|                    |                       | US-   |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>5</sup> |
|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |
|                    |                       |  |                                |  |   |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                        |                          |                              |
|---|------------------------|--------------------------|------------------------------|
| Substitute for form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |                        | <b>Complete if Known</b> |                              |
|   |                        | Application Number       | 10/824,751                   |
|   |                        | Filing Date              | 4/15/2004                    |
|   |                        | First Named Inventor     | Patrick H. Dussud            |
|   |                        | Art Unit                 | 2188-2185                    |
|   |                        | Examiner Name            | MANO PADMANABHAN Arpan Savla |
| Sheet 4 of 5  | Attorney Docket Number | MS1-1962US               |                              |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| AS,                             |                       | "Xbox to Deliver Ultimate Console Gaming Experience," 3/10/2000, 3 pages, San Jose, CA.   |                |
|                                 |                       | Bloomberg News, "U.S. version of PlayStation2 to have modem, hard drive," c/netNews.com, 4/14/2000, 2 pages.  |                |
|                                 |                       | GORDON, C., "Interviews - John Gildred of Indrema on the L600," Planet GeForce, 10/19/2000, 5 pages.  |                |
|                                 |                       | IGN.COM, "What Is the 64DD?", IGN.com, 9/17/1997, 5 pages   |                |
|                                 |                       | IGN.COM, "The 64DD: Nintendo's Disk Drive - Everything you ever wanted to know about the N64's first major add-on," IGN.com, 1/28/1998, 4 pages.  |                |
|                                 |                       | IGN.COM, "The 64DD Connection - Here's how the 64DD and the Nintendo 64 connect," IGN.com, 10/20/1999, 4 pages.   |                |
|                                 |                       | IGN.COM, "IGN64's Ultimate 64DD FAQ - Everything you ever wanted to know about the upcoming disk drive add-on," IGN.com, 12/15/1999, 8 pages.   |                |
|                                 |                       | FEDOR, J., JOHNSON, S., and CARVER, B., "Links 386CD, Players Manual," Access Software Inc., 1/1/1995, pp. 1-87.  |                |
|                                 |                       | LEHRBAUM, R., "Linux fuels game console plus," ZDNet News, 7/6/2000, 5 pages.   |                |
| AS,                             |                       | TAKAHASHI, D., "Microsoft goes gaming (Product Development)," Electronic Business, May 2000, 2 pages.   |                |

|                    |                    |                 |         |
|--------------------|--------------------|-----------------|---------|
| Examiner Signature | <i>Arpan Savla</i> | Date Considered | 4/19/06 |
|--------------------|--------------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

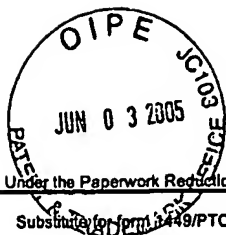
|  |   |                          |                              |                        |             |
|--|---|--------------------------|------------------------------|------------------------|-------------|
| <b>Substitute for form 1449/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   | <b>Complete if Known</b> |                              |                        |             |
|  |   | Application Number       | 10/824,751                   |                        |             |
|  |   | Filing Date              | 4/15/2004                    |                        |             |
|  |   | First Named Inventor     | Patrick H. Dussud            |                        |             |
|  |   | Art Unit                 | 2188 2185                    |                        |             |
|  |   | Examiner Name            | MANO PADMANABHAN Arpan Sauls |                        |             |
| Sheet  | 5 | of                       | 5                            | Attorney Docket Number | MS1- 1962US |

| NON PATENT LITERATURE DOCUMENTS |                          |   |                |
|---------------------------------|--------------------------|---|----------------|
| Examiner<br>Initials*           | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| AS                              |                          | MOWATT, T., "Indrema: Linux-Based Console," c/net News.com, 8/11/2000, 2 pages.   |                |
| I                               |                          | "Metropolis Street Racer Review," DailyRadar.com, 11/13/2005, 5 pages.  |                |
| I                               |                          | SEGA Enterprises, Ltd., "Metropolis Street Racer," User Manual, 2000, 18 pages.   |                |
| AS                              |                          | JONES and LINS, "Generational Garbage Collection," Inter-Generational Pointers, pp. 171-173.  |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |
|                                 |                          |   |                |

|                       |   |                    |         |
|-----------------------|---|--------------------|---------|
| Examiner<br>Signature |  | Date<br>Considered | 4/19/06 |
|-----------------------|---|--------------------|---------|

\*EXAMINER: Initial is reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 2449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

**Complete if Known**

|                        |                        |
|------------------------|------------------------|
| Application Number     | 10/824,751             |
| Filing Date            | 4/15/2004              |
| First Named Inventor   | Patrick H. Dussud      |
| Art Unit               | 2188 2185              |
| Examiner Name          | MANO PADMANABHAN Arpen |
| Attorney Docket Number | MS1- 1962US            |

S. 1/12

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| A.S.               |                       | US- 2001/0004609 A1                      | 06/21/2001                     | Walker et al.                                      |   |
|                    |                       | US- 2002/0077177 A1                      | 06/20/2002                     | Elliott  |   |
|                    |                       | US- 2004/0162137 A1                      | 08/19/2004                     | Eliot  |   |
|                    |                       | US- 5,592,651                            | 01/07/1997                     | Rackman  |   |
|                    |                       | US- 5,969,283                            | 10/19/1999                     | Looney et al.                                      |   |
|                    |                       | US- 6,161,185                            | 12/12/2000                     | Guthrie et al.                                     |   |
|                    |                       | US- 6,393,430 B1                         | 05/21/2002                     | Van Ryzin  |   |
|                    |                       | US- 6,601,171 B1                         | 07/29/2003                     | Carter et al.                                      |   |
|                    |                       | US- 6,712,704 B2                         | 03/30/2004                     | Elliott  |   |
| A.S.               |                       | US- 6,769,989 B2                         | 08/03/2004                     | Smith et al.                                       |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
| A.S.               |                       | DE 100 46 437 A1  | 04/04/2002                     | Mannesmann Ag                                      |   |                |
|                    |                       | EP 0 809 214 A1   | 11/26/1997                     | Sega Enterprise                                    |   |                |
|                    |                       | EP 0 889 420 A2   | 01/07/1999                     | IBM  |   |                |
|                    |                       | EP 0 998 966 A2   | 05/10/2000                     | STD Manufact.                                      |   |                |
|                    |                       | EP 1 035 706 A2   | 09/13/2000                     | Langer, Klaus                                      |   |                |
| A.S.               |                       | EP 1 126 425 A2   | 08/22/2001                     | Internat'l Game                                    |   |                |

Examiner  
SignatureDate  
Considered

4/19/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                             |
|------------------------|-----------------------------|
| Application Number     | 10/824,751                  |
| Filing Date            | 4/15/2004                   |
| First Named Inventor   | Patrick H. Dussud           |
| Art Unit               | 2488 2165                   |
| Examiner Name          | MANO PADMANABHAN Arpan Gula |
| Attorney Docket Number | MS1- 1962US                 |

Sheet

3

of

4

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.           | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| AS,                |                       | QUINLAN, D., "Filesystem Hierarchy Standard - Version 2.0", Online 10/26/97, pp. 1-ii, Retrieved from URL: <a href="http://www.lisoleg.net/lisoleg/fs/fhs.pdf">http://www.lisoleg.net/lisoleg/fs/fhs.pdf</a> , retrieved 11/18/04.  |                |
|                    |                       | SHERMAN, S.A. et al., "Secure Network Access Using Multiple Applications of AT&T's Smart Card," AT&T Technical Journal, American Telephone and Telegraph Co. New York, US, vol. 73, No. 5, 1 September 1994, pages 61-72, XPOOO475912 ISSN: 8756-2324.                    |                |
|                    |                       | "CES: Bill Gates zeigt die Xbox" Golem.de 'Online! 6-January 2000 Retrieved from the internet: url: <a href="http://dyn1.golem.de/cgi-bin/usisapi.d11/forprint?id11561">http://dyn1.golem.de/cgi-bin/usisapi.d11/forprint?id11561</a> > retrieved 6-18-2004               |                |
|                    |                       | "DFU Verigindung herstellen" FAQ, 'Online! XPOO2318226 Retrived from the Internet: URL: <a href="http://www.puretec.de">www.puretec.de</a> >retrived on 2000!, 1 page.  |                |
|                    |                       | "PlayStation 2 Instruction Manual," 'Online! 2000 Sony Computer Entertainment Retrieved from the Internet: url: <a href="http://www.playstation.com">www.playstation.com</a> . retrieved on 2004-06-18  |                |
|                    |                       | "PS2 Frequently Asked Questions," All Playstation2 'Online!, 29 July 2000, Retrieved from the Internet: URL: <a href="http://www.allps2.net/ps2_faqs.html">http://www.allps2.net/ps2_faqs.html</a> > retrieved on 2004-06-18  |                |
|                    |                       | "Dex Drive Manual" gameshark, Online! 1998, pp 1-15, Retrieved from URL: <a href="http://www.angelfire.com/games/winopsxdexdrive/dexdrive.pdf">http://www.angelfire.com/games/winopsxdexdrive/dexdrive.pdf</a>  |                |
|                    |                       | SUAREZ, G., "Sony PlayStation 2," The Digital Bits 'Online!, 15 November 2000, retrieved from the internet: URL: <a href="http://www.thedigitalbits.com/reviews/ps2/sonyps2">http://www.thedigitalbits.com/reviews/ps2/sonyps2</a> ".html> retrieved on 2004-06-18        |                |
|                    |                       | PERENSON, M., "Play Back Media Your Way," PC World 'Online!, 1 June 2000, Retrieved form the Internet: url: <a href="http://www.pcworld.com/resource/printable/0aid1700100.asp">http://www.pcworld.com/resource/printable/0aid1700100.asp</a> . retrieved on July 08 2004 |                |
| AS,                |                       | THURROTT, P., "Windows Media Player 7 reviewed," Winsupersite 'Online!, 15 August 2000, Retireved formt he internet: URL: <a href="http://www.winsupersite.com/reviews/wmp7.asp">http://www.winsupersite.com/reviews/wmp7.asp</a> > retrieved on 06-18-2004.              |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.





PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                               |
|------------------------|-------------------------------|
| Application Number     | 10/824,751                    |
| Filing Date            | 4/15/2004                     |
| First Named Inventor   | Patrick H. Dussud             |
| Art Unit               | 2188 <i>2185</i>              |
| Examiner Name          | MANO PADMANABHAN <i>Aspen</i> |
| Attorney Docket Number | MS1- 1962US <i>Sala</i>       |

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| <i>A.S.</i>        |                       | US- 2004/0187102-A1                      | 09/23/2004                     | Garthwaite   |   |
|                    |                       | US- 6,049,810                            | 04/11/2000                     | Schwartz et al.                                    |   |
|                    |                       | US- 6,115,782                            | 09/05/2000                     | Wolczko et al.                                     |   |
|                    |                       | US- 6,173,294 - B1                       | 01/09/2001                     | Azagury et al.                                     |   |
| <i>A.S.</i>        |                       | US- 6,845,347 - B1                       | 01/18/2005                     | Yang et al.  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |
|                    |                       | US-                                      |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>5</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |                |
| <i>A.S.</i>        |                       | WO 98/48353   | 10/29/1998                     | Sun Microsystems, Inc.                             |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |
|                    |                       |   |                                |  |   |                |

Examiner  
SignatureDate  
Considered*4/15/06*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                              |
|------------------------|------------------------------|
| Application Number     | 10/824,751                   |
| Filing Date            | 4/15/2004                    |
| First Named Inventor   | Patrick H. Dussud            |
| Art Unit               | 2188 2185                    |
| Examiner Name          | MANO PADMANABHAN Arpsm Shula |
| Attorney Docket Number | MS1- 1962US                  |

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| A.S.               |                       | A. HOSKING, J. MOSS, and D. STEFANOVIC, "A Comparative Performance Evaluation of Write Barrier Implementations," Proceedings ACM Conference on Object-Oriented Programming Systems, Languages, & Applications, Oct. 1992, pp. 92-109, Vancouver, Canada.        |                |
| I                  |                       | A. HOSKING and R. HUDSON, "Remembered sets can also play cards," OOPSLA '93, Workshop on Garbage Collection and Memory Management, Sep. 1983, 8 pgs, Washington D.C.  |                |
| I                  |                       | C. FLOOD, D. DETLEFS, N. SHAVIT, and X. ZHANG, "Parallel Garbage Collection for Shared Memory Multiprocessor," USENIX Java Virtual Machine Research & Technology Symposium, Apr. 23-24, 2001, 10 pgs. California, USA.  |                |
| A.S.               |                       | P. WILSON and T. MOHER, "A 'Card-Marking' Scheme for Controlling Intergenerational References in Generation-Based Garabage Collection on Stock Hardware," ACM SIGPLAN Notices, May 1989, pp. 87-92, Vol. 24, Issue 5.   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |

|                    |                    |                 |         |
|--------------------|--------------------|-----------------|---------|
| Examiner Signature | <i>Arpsm Shula</i> | Date Considered | 4/19/06 |
|--------------------|--------------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.